

- › [Champion Power Equipment](#) /
- › [Champion Power Equipment 201489 Portable Generator User Manual](#)

## Champion Power Equipment 201489

# Champion Power Equipment 201489 Portable Generator User Manual

Model: 201489

## 1. INTRODUCTION

---

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Champion Power Equipment 201489 Portable Generator. This unit features 4375 starting watts and 3500 running watts, a wireless remote start, RV readiness, and CO Shield® carbon monoxide auto-shutoff technology. Please read this manual thoroughly before operating the generator to ensure proper use and safety.



Image 1.1: Champion Power Equipment 201489 Portable Generator, showing its yellow and black frame, wheels, control panel, and remote start fob.

## 2. SAFETY INFORMATION

Operating a generator safely is crucial to prevent serious injury or death. Always follow these safety guidelines:

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Operate the generator **OUTDOORS ONLY** and far away from windows, doors, and vents. Never operate it inside a home, garage, basement, crawlspace, shed, or other enclosed area.
- **CO Shield® Technology:** This generator is equipped with CO Shield® technology, which automatically shuts off the engine if unsafe elevated levels of carbon monoxide gas are detected. This feature is not a substitute for safe operation or an indoor carbon monoxide alarm.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are dry and secure. Do not touch the generator with wet hands.
- **Fire Hazard:** Gasoline is highly flammable. Store fuel in an approved container in a well-ventilated area away from ignition sources. Do not refuel the generator while it is running or hot.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after

shutdown. Avoid contact to prevent burns.

- **Proper Grounding:** Always ensure the generator is properly grounded before use to prevent electrical shock.

**4375W / 3500W**  
**STARTING / RUNNING**

Power at the **SAME TIME**

**BLENDER**

**COFFEE MAKER**

**MICROWAVE**

**WELL PUMP**

or **INDIVIDUALLY**

**REFRIGERATOR**

**WASHING MACHINE**

**LAWN MOWER**

**PRESSURE WASHER**

\*REFERENCE ONLY. REFER TO ELECTRIC OR HOUSEHOLD APPLIANCES FOR WATTAGE INFORMATION.



Image 2.1: Diagram illustrating the CO Shield® carbon monoxide auto-shutoff system, showing the Intelligauge display indicating an automatic shutoff due to high CO levels and a service alert.

### 3. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your generator:

- **Engine:** 212cc Champion single-cylinder OHV engine.
- **Fuel Tank:** 4.7-gallon capacity for gasoline.
- **Control Panel:** Includes ignition switch, battery switch, Intelligauge display, circuit breakers, and various outlets.
- **Intelligauge:** Monitors voltage, frequency, and operating hours.
- **Outlets:** One 120V 30A locking outlet (L5-30R), one 120V 30A RV outlet (TT-30R), and one 120V 20A household duplex outlet (5-20R).

- **Wheel Kit & Handle:** For portability.
- **Wireless Remote Start Fob:** For convenient remote starting and stopping.



Image 3.1: Detailed view of the generator's control panel, labeling the Ignition Switch, Battery Switch, Intelligauge display (showing voltage, frequency, run time, CO Shield® status), Circuit Breakers, 120V AC 30A Locking NEMA L5-30R outlet, 120V AC 30A RV NEMA TT-30R outlet, and 120V AC 20A NEMA 5-20R duplex outlet.

## 4. SETUP

Before first use, perform the following setup steps:

### 4.1. Unpacking and Assembly

1. Remove the generator and all accessories from the packaging.
2. Attach the wheel kit and handle according to the assembly instructions provided in the box.





Image 4.1: Illustration showing included accessories: a key fob for wireless remote start, a bottle of 10W-30 engine oil, and the wheel kit for mobility.

## 4.2. Add Engine Oil

The generator is shipped without engine oil. Always check the oil level before each use.

- Place the generator on a level surface.
- Remove the oil fill cap/dipstick.
- Using the included oil funnel, slowly add 0.5 quarts (10W-30 recommended) of engine oil until the oil level reaches the upper mark on the dipstick. Do not overfill.
- Securely replace the oil fill cap/dipstick.

## 4.3. Add Fuel

Use only fresh, unleaded gasoline with a minimum octane rating of 87 (R+M/2). Do not use E85 fuel.

- Ensure the generator is turned off and cool.
- Remove the fuel cap.
- Carefully pour gasoline into the fuel tank, filling it to approximately 1 inch below the top of the tank to allow for expansion. The tank capacity is 4.7 gallons.
- Securely replace the fuel cap. Wipe up any spilled fuel immediately.

## 4.4. Connect Battery

The battery for the electric start may be disconnected for shipping.

- Locate the battery.
- Connect the positive (+) battery cable (red) to the positive (+) terminal and the negative (-) battery cable (black) to the negative (-) terminal. Ensure connections are tight.

## 5. OPERATING INSTRUCTIONS

---

### 5.1. Pre-Start Checks

- Verify the generator is on a level, outdoor surface, far from any buildings or vents.
- Check engine oil level.
- Check fuel level.
- Ensure all circuit breakers are in the 'OFF' position.
- Confirm no electrical devices are plugged into the generator.

### 5.2. Starting the Generator

This generator offers both electric start and wireless remote start.

#### Electric Start:

1. Turn the fuel valve to the 'ON' position.
2. Turn the engine switch to the 'ON' position.
3. If the engine is cold, move the choke lever to the 'CHOKE' position.
4. Press and hold the electric start button until the engine starts.
5. Once the engine starts, slowly move the choke lever to the 'RUN' position.

#### Wireless Remote Start:

1. Ensure the generator's main engine switch is in the 'ON' position.
2. Press and hold the 'START' button on the remote key fob for approximately 1-2 seconds. The generator should start.
3. The remote start has a range of up to 80 feet.

### 5.3. Connecting Electrical Loads

Once the generator is running and stable, you can connect your electrical devices.

- Plug in the desired electrical devices or extension cords into the appropriate outlets.
- Flip the circuit breakers to the 'ON' position.
- Do not overload the generator. The Intelligauge will display voltage and frequency. The Volt Guard™ built-in surge protector helps prevent overloads.



Image 5.1: Visual representation of the generator's power output (4375 starting watts / 3500 running watts) and examples of appliances it can power simultaneously or individually, such as a blender, coffee maker, microwave, well pump, refrigerator, washing machine, lawn mower, and pressure washer.

## 5.4. Stopping the Generator

### Manual Stop:

1. Disconnect all electrical loads from the generator.
2. Turn all circuit breakers to the 'OFF' position.
3. Turn the engine switch to the 'OFF' position.
4. Turn the fuel valve to the 'OFF' position.

### Wireless Remote Stop:

1. Disconnect all electrical loads from the generator.
2. Press and hold the 'STOP' button on the remote key fob for approximately 1-2 seconds.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your generator.

### 6.1. Maintenance Schedule

Service Item	Frequency
Check Engine Oil Level	Before each use
Clean Air Filter	Every 50 hours or annually

Service Item	Frequency
Change Engine Oil	First 5 hours, then every 50 hours or annually
Check Spark Plug	Every 100 hours or annually
Clean Fuel Filter	Every 100 hours or annually

## 6.2. Storage

For long-term storage (more than 30 days):

- Drain the fuel tank and carburetor, or add a fuel stabilizer.
- Change the engine oil.
- Remove the spark plug and pour a small amount of engine oil into the cylinder. Slowly pull the recoil cord a few times to distribute the oil, then reinstall the spark plug.
- Clean the exterior of the generator.
- Store in a clean, dry, well-ventilated area.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Engine will not start	No fuel Low oil level Spark plug issue Battery disconnected/dead	Add fresh fuel Add oil to correct level Check/clean/replace spark plug Connect/charge battery
No power output	Circuit breaker tripped Overload Loose connections	Reset circuit breaker Reduce connected load Check all electrical connections
Engine runs rough	Stale fuel Dirty air filter Spark plug issue	Drain and replace with fresh fuel Clean/replace air filter Check/clean/replace spark plug
CO Shield® shutdown	High carbon monoxide levels	Move generator to a well-ventilated outdoor area. Allow to cool before restarting. Ensure proper distance from occupied buildings.

## 8. SPECIFICATIONS

Specification	Value
Model Number	201489
Starting Watts	4375 W
Running Watts	3500 W



Specification	Value
Engine Type	212cc OHV, 4-Stroke
Fuel Type	Gasoline
Fuel Tank Capacity	4.7 Gallons
Oil Capacity	0.5 Quarts (10W-30 recommended)
Run Time (50% Load)	Up to 12 hours
Noise Level (23 ft)	68 dBA
Outlets	1x 120V 30A Locking (L5-30R) 1x 120V 30A RV (TT-30R) 1x 120V 20A Duplex (5-20R)
Dimensions (L x W x H)	24.8" x 23.6" x 22.4"
Weight	116 lbs
Special Features	CO Shield®, Wireless Remote Start, Electric Start, Cold Start Technology, Volt Guard™



Image 8.1: Diagram showing the dimensions of the generator: 24.8 inches long, 23.2 inches wide, and 22.4 inches high, with a weight of 116 lbs.

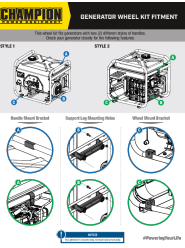




## 9. WARRANTY AND SUPPORT

Champion Power Equipment provides a 3-year limited warranty for this generator. For technical assistance or warranty claims, please contact Champion Support. Free lifetime technical support is available from dedicated experts.

For further assistance, visit the official Champion Power Equipment website or refer to the contact information provided in your product packaging.



Related Documents - 201489

	<p><a href="#">Champion Generator Wheel Kit Fitment Guide</a></p> <p>Guide to fitting Champion generator wheel kits for 2800 to 4800-watt models, detailing two handle styles and mounting points for compatibility.</p>
	<p><a href="#">Champion 8000W Tri-Fuel Portable Generator (Model 100416) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 8000W Tri-Fuel Portable Generator (Model 100416). Learn about safe operation, assembly, maintenance, specifications, and troubleshooting for gasoline, propane (LPG), and natural gas (NG) modes. Includes safety warnings, control descriptions, and warranty information.</p>
	<p><a href="#">Champion 7500W Dual Fuel Electric Start Generator (201281) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 7500W Dual Fuel Electric Start Generator (Model 201281), covering safety, assembly, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">Champion CPG4000DHY-DF-SC Dubbelbränsle Invertergenerator Bruksanvisning</a></p> <p>Detaljerad bruksanvisning för Champion CPG4000DHY-DF-SC 3500W Dubbelbränsle Invertergenerator med öppen ram, som täcker säkerhet, drift, underhåll och specifikationer.</p>
	<p><a href="#">Champion 201083 8500W Dual Fuel Electric Start Generator Operator's Manual</a></p> <p>This operator's manual provides comprehensive instructions for the Champion 201083 8500W Dual Fuel Electric Start Generator. It covers essential safety information, assembly procedures, detailed operation guides for both gasoline and propane, maintenance schedules, specifications, troubleshooting tips, and warranty details.</p>



## [Champion 4500W Wireless Remote Start Inverter Generator Quick Start Guide](#)

Quick start guide for the Champion 4500W Wireless Remote Start Inverter Generator (Model 201184). Learn how to set up, start, and safely operate your generator.